

FIG. 1

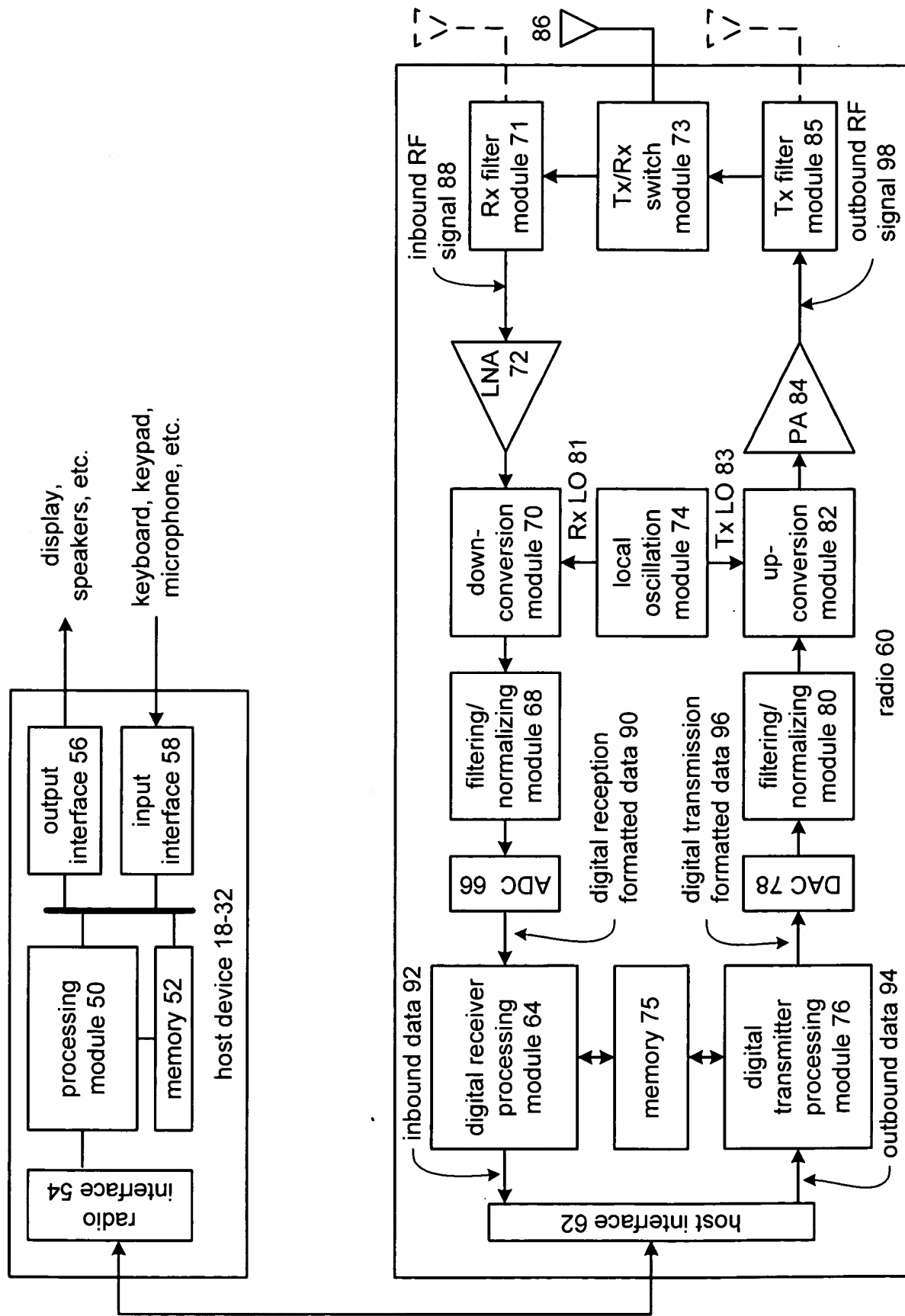


FIG. 2

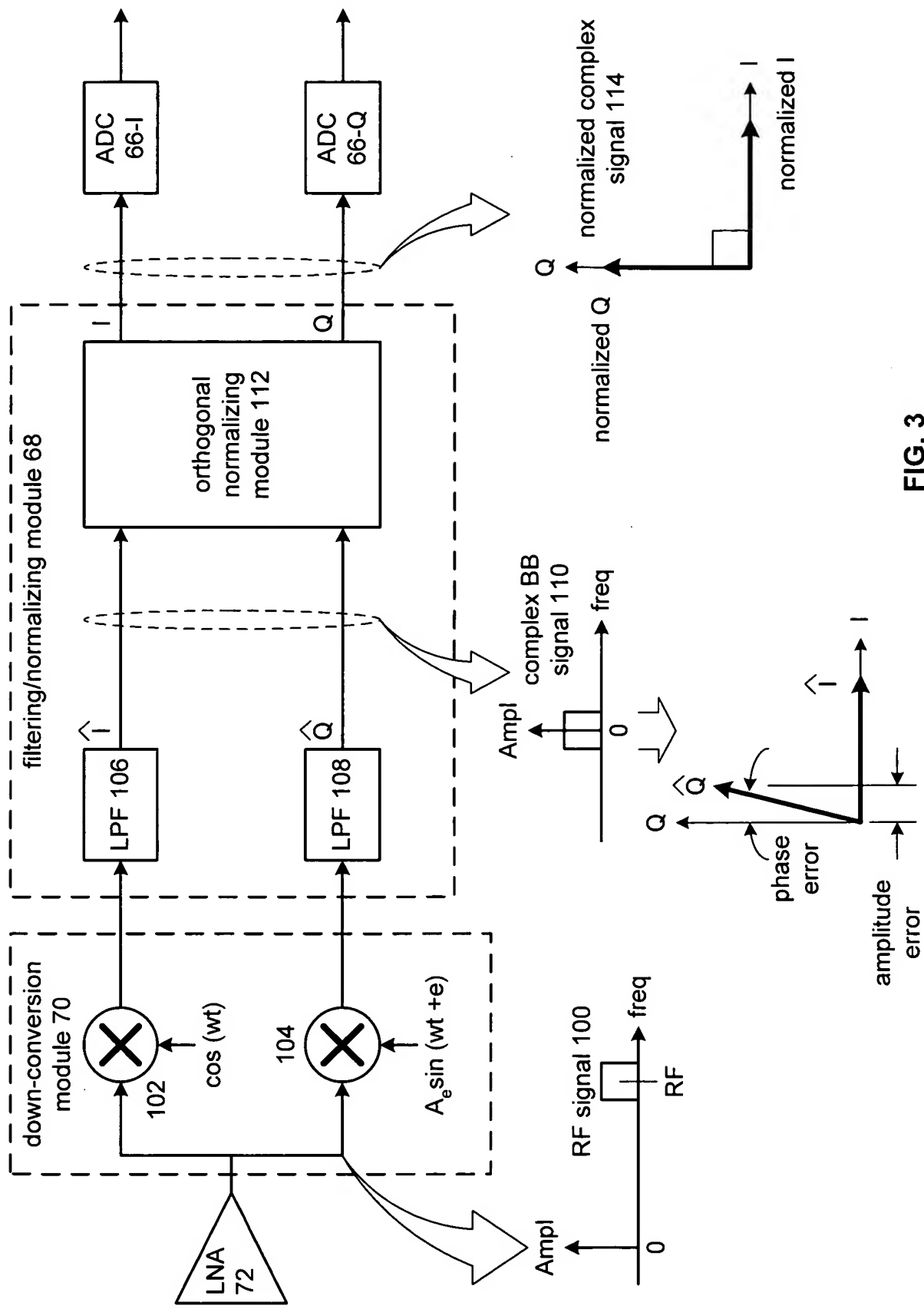


FIG. 3

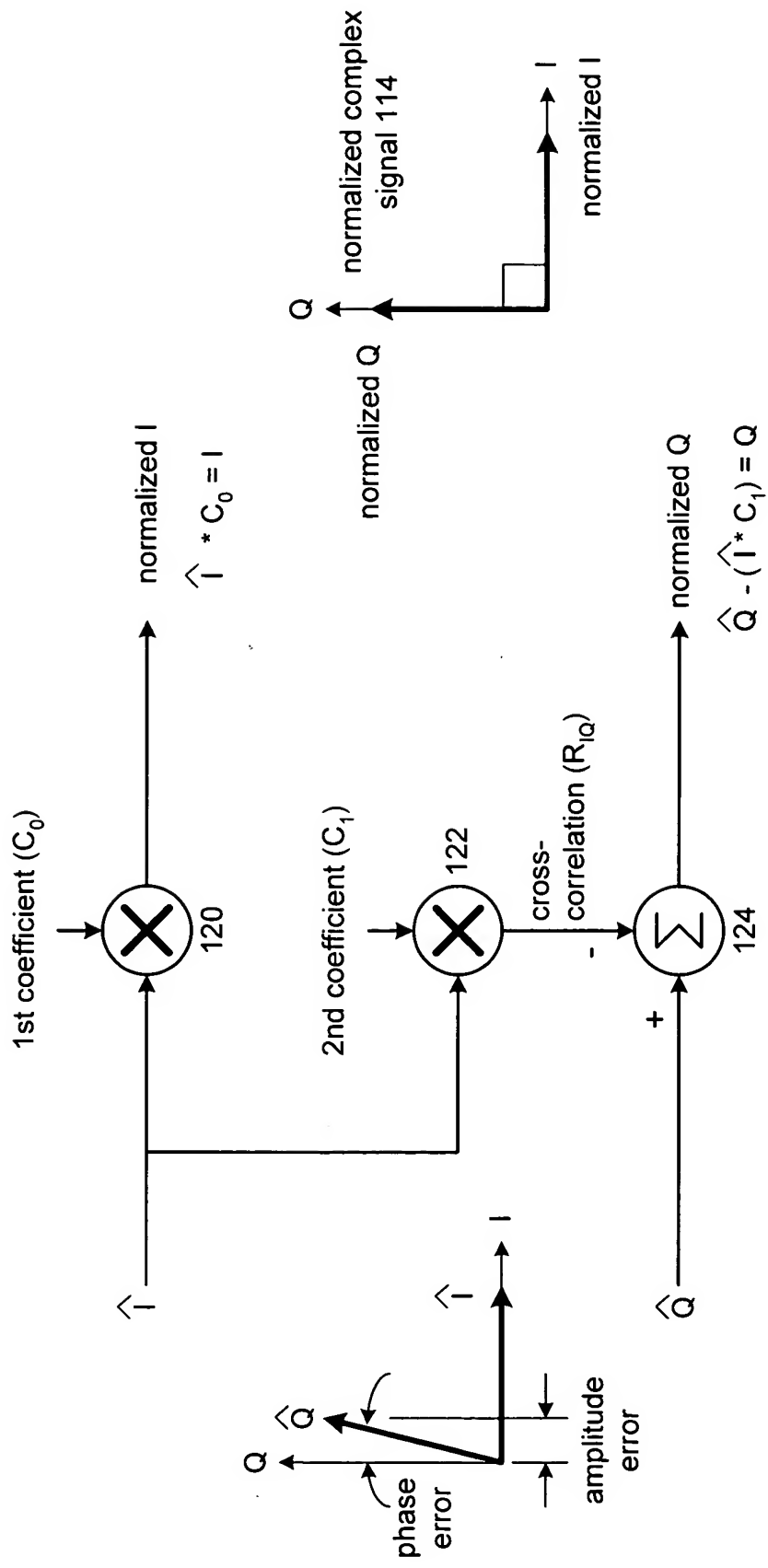


FIG. 4
orthogonal normalizing
module 112

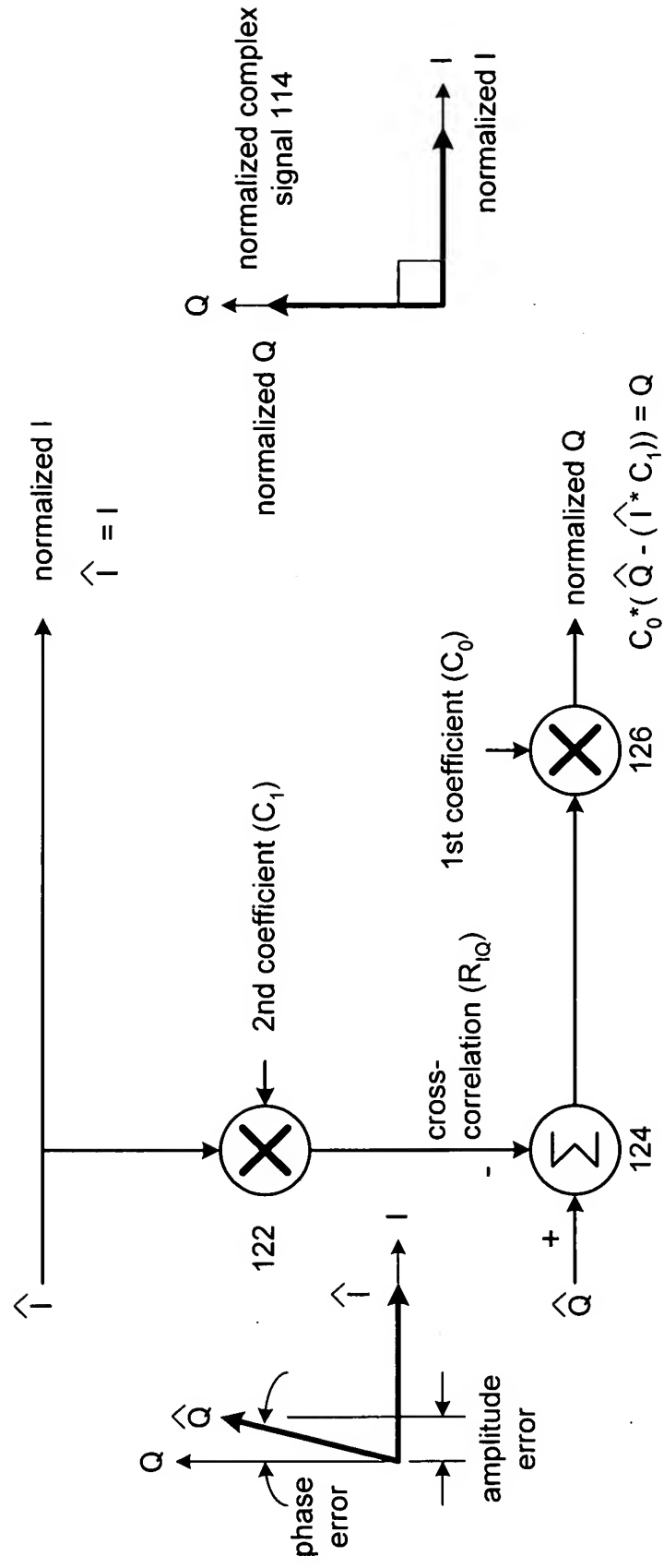


FIG. 5
orthogonal normalizing
module 112

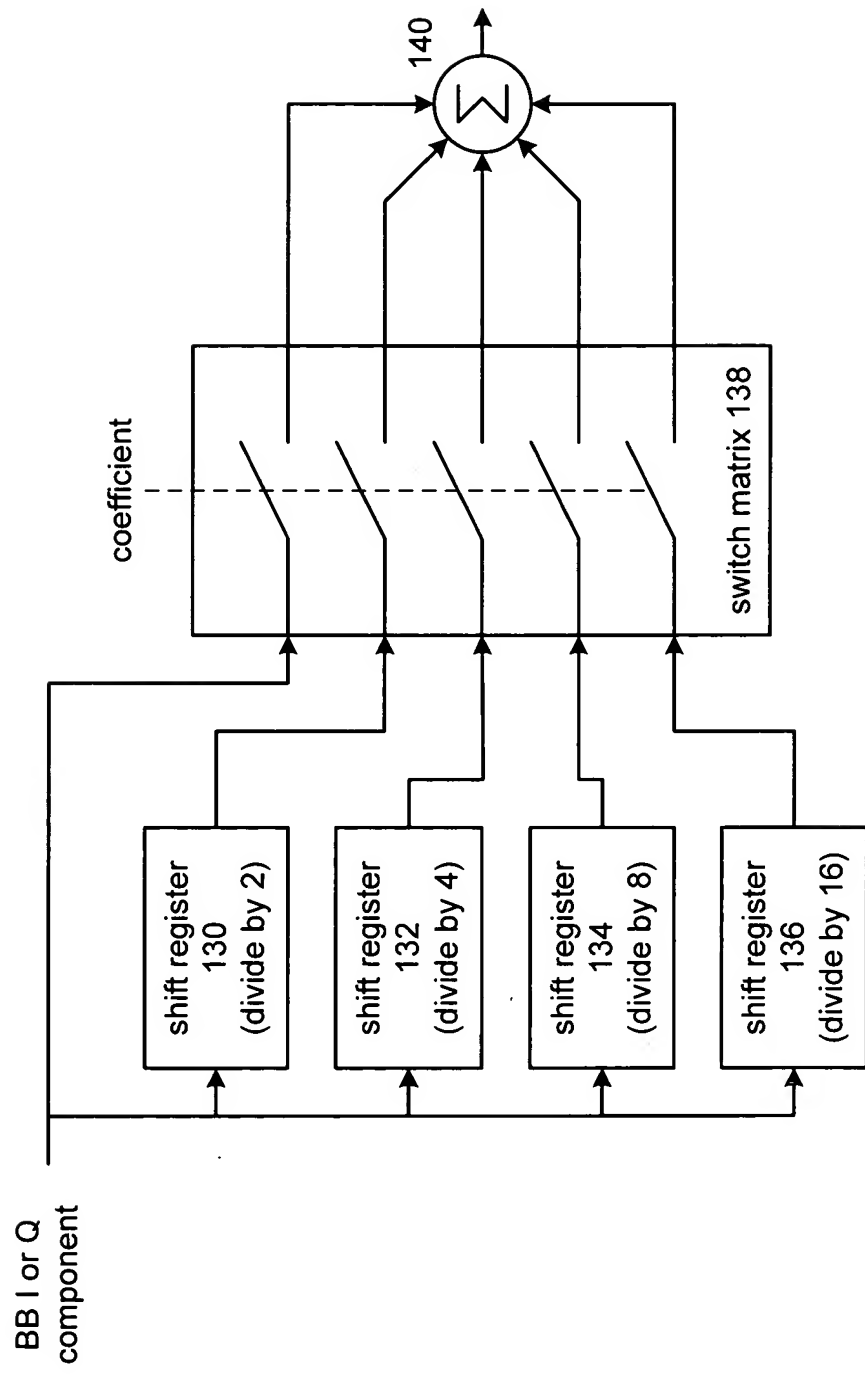
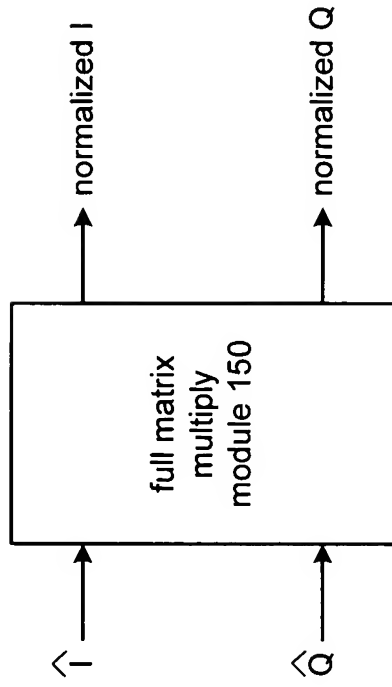


FIG. 6
multiplier 120, 122, or 126



$$\begin{bmatrix} \hat{I} \\ \hat{Q} \end{bmatrix} \begin{bmatrix} a & b \\ c & d \end{bmatrix} = \begin{bmatrix} I \\ Q \end{bmatrix}$$

FIG. 7
orthogonal normalizing
module 112

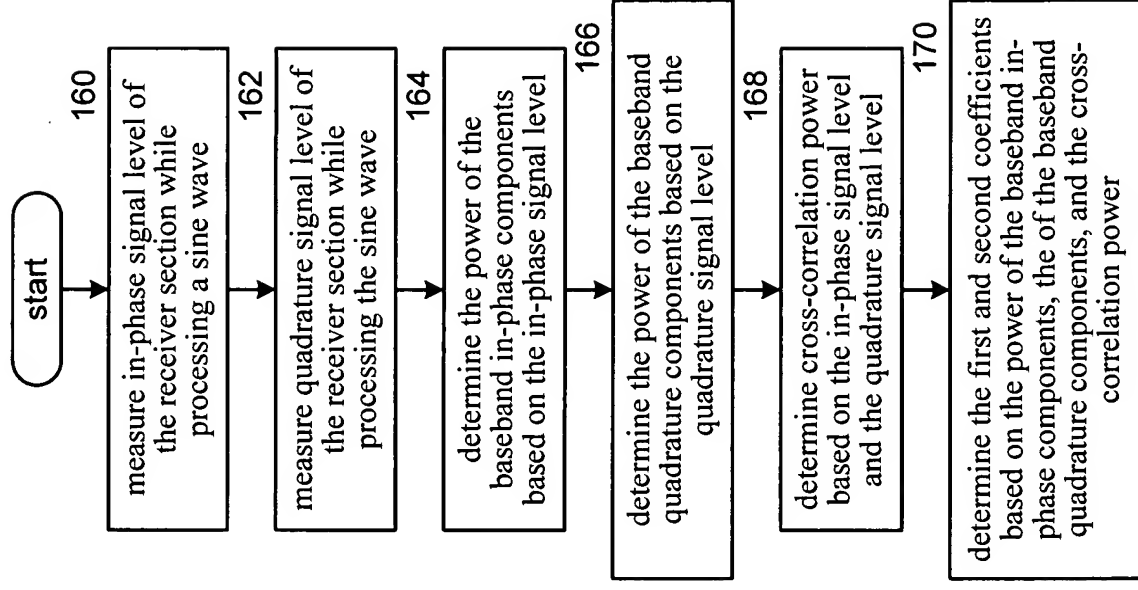


FIG. 8

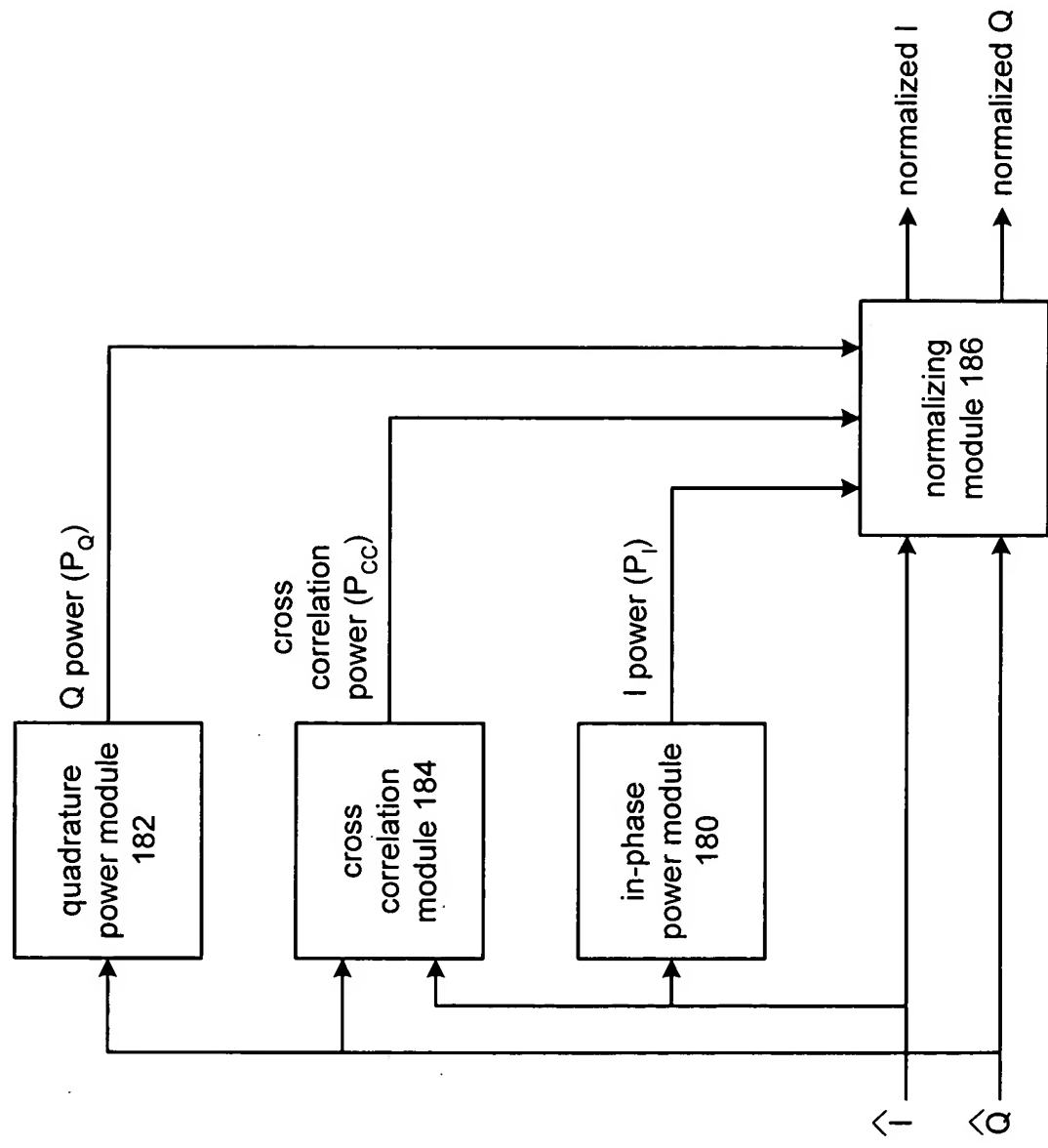


FIG. 9
orthogonal normalizing
module 112

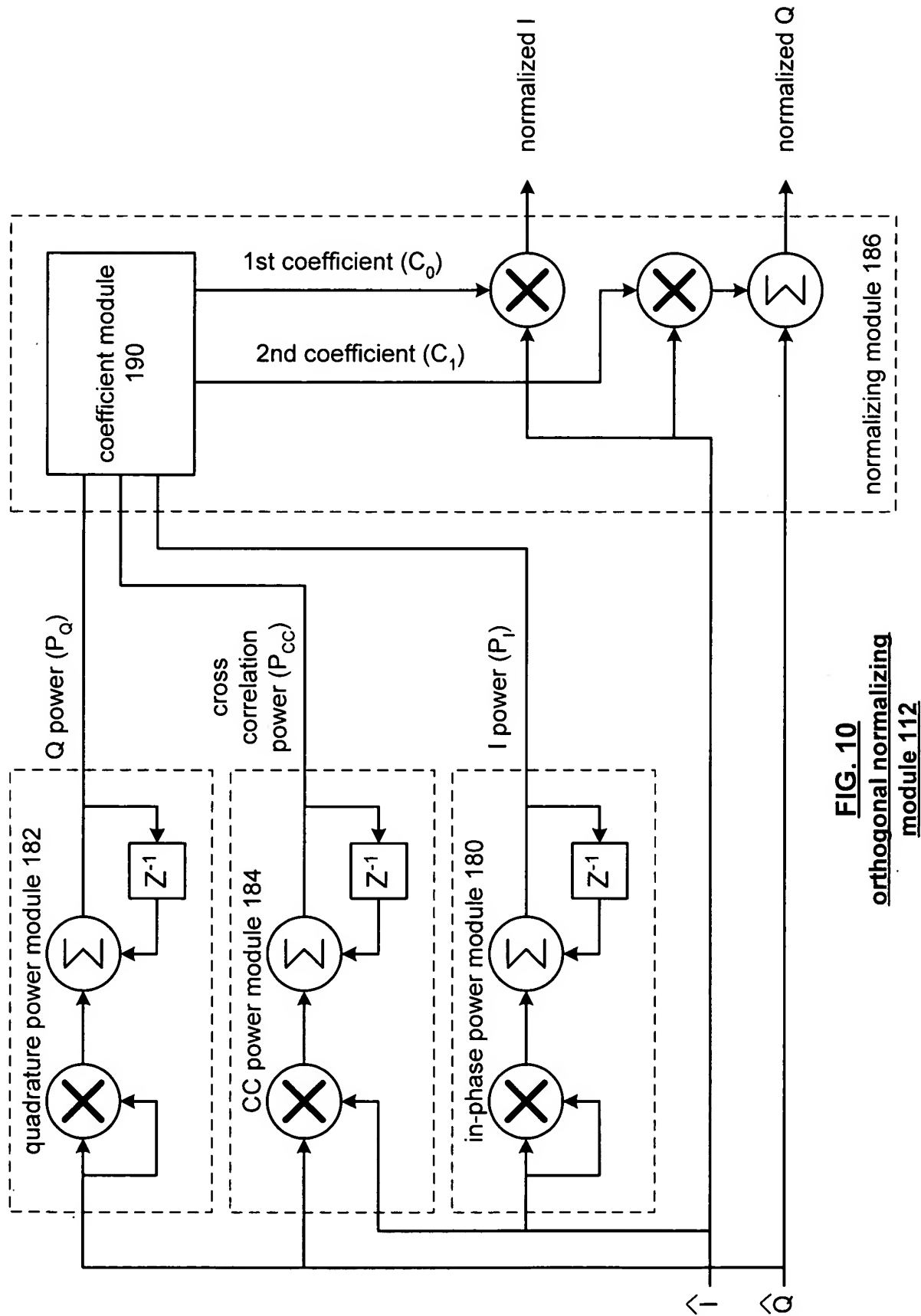


FIG. 10
orthogonal normalizing
module 112

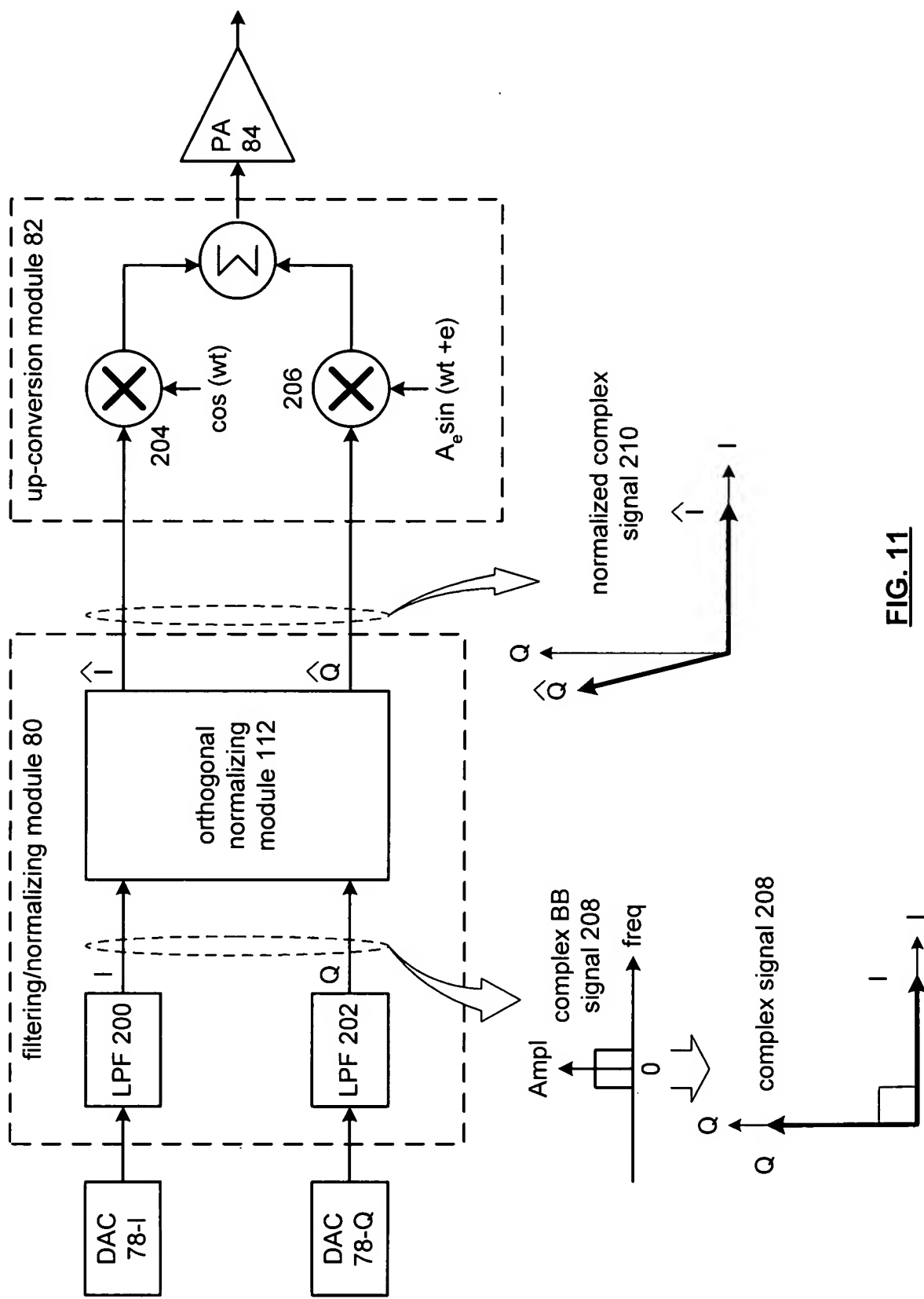


FIG. 11

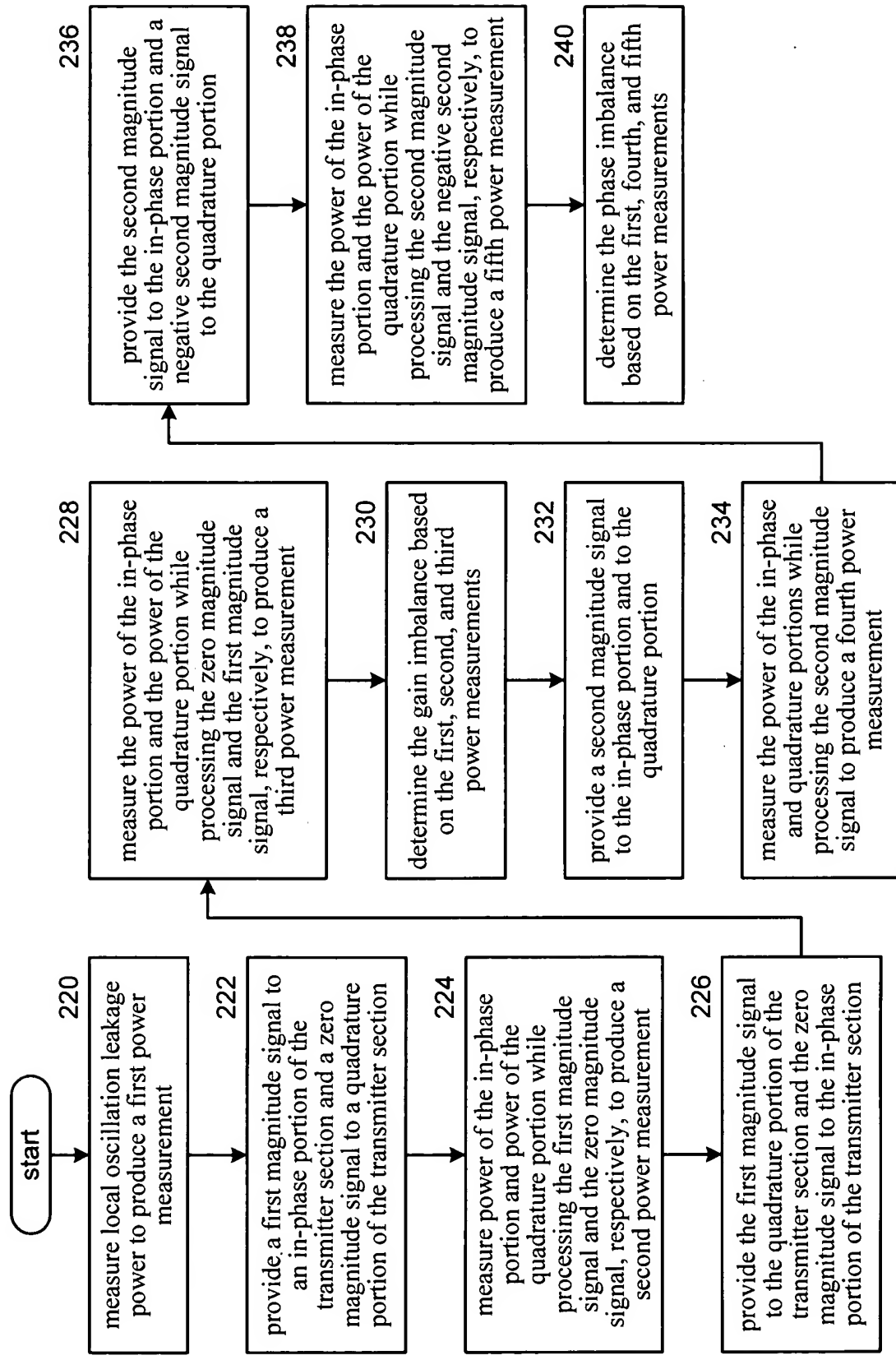


FIG. 12

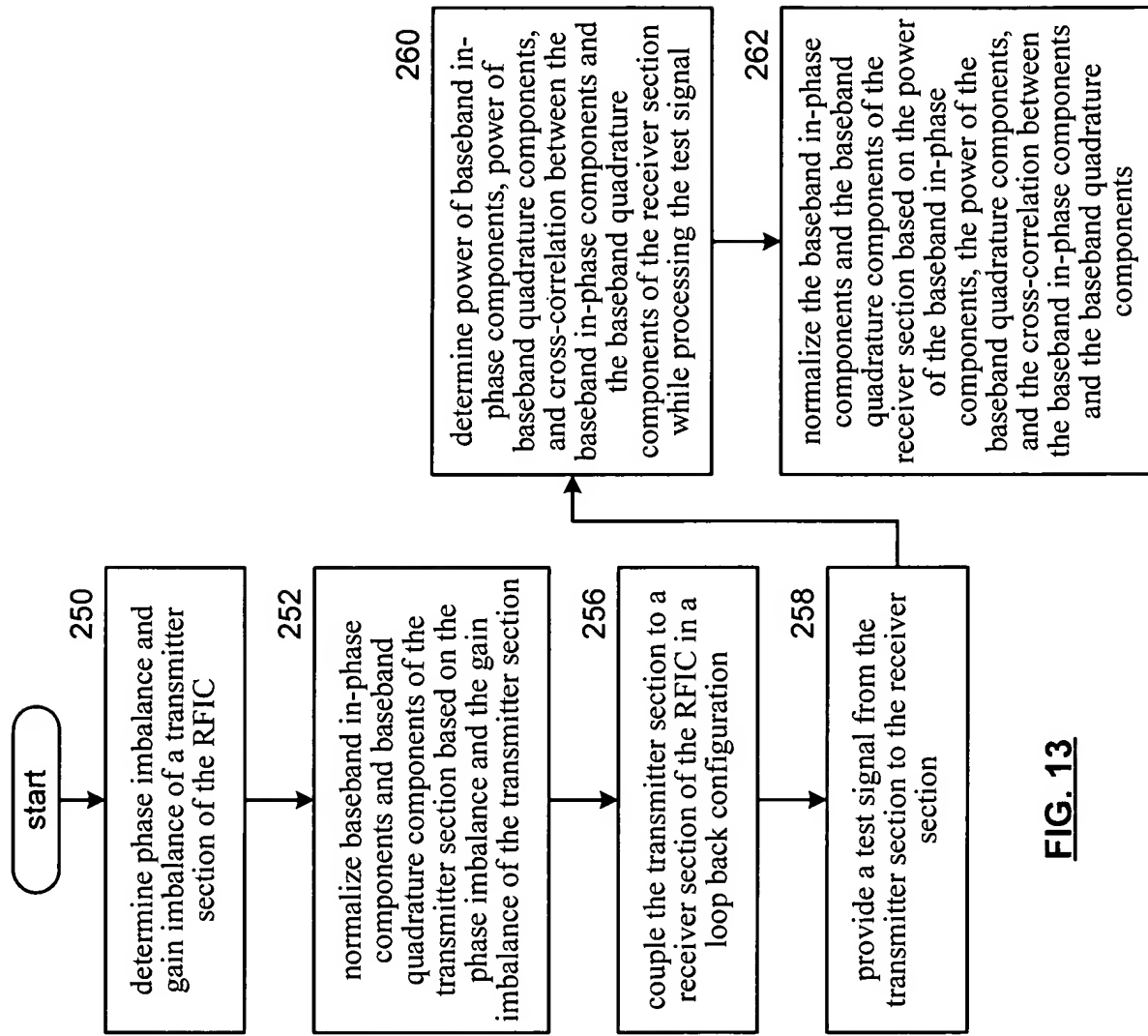


FIG. 13